

Appendix Table 4-17
R&D performed by majority-owned affiliates of foreign companies in the United States, by NAICS industry of affiliate: 2007–12

(Millions of current U.S. dollars)

Industry	NAICS code	2007	2008	2009	2010	2011	2012
All industries	na	40,967	40,727	40,425	42,360	45,177	47,994
Manufacturing	31–33	30,615	28,617	28,501	30,858	31,290	33,953
Food	311	D	538	518	486	472	491
Beverage and tobacco products	312	54	47	29	27	24	34
Paper manufacturing	322	52	43	42	63	55	56
Petroleum and coal products	324	D	D	D	D	D	D
Chemicals	325	15,908	14,271	16,075	16,815	16,837	18,281
Basic chemicals	3251	603	705	626	597	686	785
Pharmaceuticals and medicines	3254	14,331	12,650	14,545	15,388	15,338	16,671
Other	na	974	916	904	830	813	825
Plastic and rubber products	326	421	417	385	395	476	504
Nonmetallic mineral products	327	277	244	223	238	255	310
Primary and fabricated metals	na	292	372	369	347	340	375
Primary metals	331	67	114	84	97	106	125
Fabricated metal products	332	225	259	284	250	234	250
Machinery	333	1,939	2,568	2,376	2,539	2,541	2,711
Computer and electronic products	334	3,838	4,240	4,353	5,210	4,275	4,339
Semiconductor and other electronic components	3344	683	802	1,134	1,583	1,188	1,228
Navigational, measuring, and other instruments	3345	351	410	1,034	1,168	1,211	1,269
Other	na	2,804	3,028	2,185	2,459	1,876	1,841
Electrical equipment, appliances, and components	335	446	487	570	627	656	637

Industry	NAICS code	2007	2008	2009	2010	2011	2012
Transportation equipment	336	5,778	4,109	2,313	2,571	3,963	4,787
Motor vehicles, bodies and trailers, and parts	3361, 3362, 3363	2,441	1,509	1,596	1,519	3,032	3,738
Other	na	3,336	2,600	717	1,052	931	1,050
Other	na	651	D	D	D	D	D
Wholesale trade	42	6,635	7,165	6,642	6,084	7,235	7,448
Motor vehicles and motor vehicle parts and supplies	4231	464	359	363	284	362	504
Electrical goods	4236	2,146	2,293	1,593	1,336	2,226	2,084
Petroleum and petroleum products	4247	D	124	D	D	D	D
Other	na	D	4,388	D	D	D	D
Retail trade	44-45	D	8	11	D	9	9
Food and beverage stores	445	0	0	0	0	0	0
Other	na	D	8	11	D	9	9
Information	51	1,252	1,586	1,681	1,309	1,483	1,347
Publishing	511	907	1,332	1,475	1,007	1,080	954
Telecommunications	517	D	38	D	139	D	D
Other	na	D	216	D	162	D	D
Finance and insurance	52	10	7	28	D	67	D
Depository credit intermediation (banking)	5221	0	*	*	D	1	D
Finance (except depository institutions)	na	10	6	D	D	D	D
Insurance carriers and related activities	524	*	1	D	D	D	D
Real estate, rental, and leasing	53	D	44	D	D	D	D
Real estate	531	1	D	*	*	*	*
Rental and leasing (except real estate)	532	D	D	D	D	D	D
Professional, scientific, and technical services	54	2,021	2,872	3,051	3,486	4,112	4,174
Architectural, engineering, and related services	5413	322	261	92	86	108	154



Industry	NAICS code	2007	2008	2009	2010	2011	2012
Computer system design and related services	5415	390	346	583	989	922	1,089
Management, scientific, and technical consulting	5416	5	34	44	37	D	D
Other	na	1,305	2,231	2,332	2,374	D	D
Other industries	na	387	427	D	461	D	D
Mining	21	132	174	161	169	492	507
Utilities	22	1	8	14	8	18	19
Construction	23	D	18	13	15	32	33
Transportation and warehousing	48-49	D	D	D	D	D	D
Administration, support, and waste management	56	D	D	D	D	D	D
Health care and social assistance	62	D	D	D	D	D	D
Accommodation and food services	72	*	*	*	*	*	*
Miscellaneous services	na	89	90	89	108	139	126

* = ≤ \$500,000; D = suppressed to avoid disclosure of confidential information; na = not applicable.

NAICS = North American Industry Classification System.

NOTES:

Data are for R&D performance of majority-owned (> 50%) bank and nonbank U.S. affiliates of foreign parent companies. Total R&D performed refers to R&D expenditures according to who conducts R&D activity, whether for a themselves or for others under contract, and excludes R&D expenditures conducted by others under contract. Industry data are classified by the U.S. Bureau of Economic Analysis using the international surveys industry classification system based on the NAICS. Data for 2007-08 are based on the 2002 NAICS. The ultimate beneficial owner is the person proceeding up the U.S. affiliate's ownership chain beginning with and including a foreign parent company not owned > 50% by another person. Detail may not add to total because of rounding. For data before 2007, see appendix table 4-24 in *Science and Engineering Indicators 2014*, <http://www.nsf.gov/statistics/seind14/index.cfm/appendix/tables.htm>.

SOURCE:

U.S. Bureau of Economic Analysis, Direct Investment and Multinational Enterprises (annual series), http://www.bea.gov/iTable/index_MNC.cfm, accessed 18 August 2015.

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